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DETAILED ACTION

Allowable Subject Matter

1. Claims 1-16, 20, 22-56, and 57-79 allowed.

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The closest prior art was Biswas (US 7,197,074). The Biswas does not fully disclose “A computer readable storage medium encoded with computer executable instructions for controlling a processor to perform a computer implemented method of determining a motion vector for encoding a block of a predicted video frame with respect to a reference video frame, the method comprising:

establishing a size for phase correlation blocks, the size of the phase correlation blocks being larger than the maximum allowable magnitude of the motion vector;

identifying a number of highest phase correlation peaks within an inner area of a phase correlation surface, the phase correlation surface based upon a phase correlation block of the predicted video frame and a corresponding phase correlation block of the reference video frame, the inner area having a size equal to or less than the maximum allowable magnitude of a motion vector;

determining for each phase correlation peak identified in the inner area, a motion vector; and

selecting from the determined motion vectors, a motion vector that has the minimum distortion measure between the block and a reference block offset from the block by the motion vector among the determined motion vectors”.

The following claim limitations are allowable.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHIKAODILI E. ANYIKIRE whose telephone number is

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(571)270-1445. The examiner can normally be reached on Monday to Friday, 7:30 am to 5 pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on (571) 272 - 7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Marsha D. Banks-Harold/
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